Curtin University

Graduate Research Advanced Skills Program (GRASP)

Research Proposal Series (Milestone 1)

Power up your PhD

Milestone One essentials for Science and Engineering

Research Proposal Series 1	Overview of research proposal
Research Proposal Series 2	Research question & objectives
Research Proposal Series 3	Methodology & methods
Research Proposal Series 4	Research data management & data management plans
Research Proposal Series 5	Literature review searching (faculty specific)
Research Proposal Series 6	Literature review: reading & writing
Research Proposal Series 7	Advanced Endnote

Research Proposal Series 1	Overview of research proposal
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Research Proposal Series 3	Methodology & methods
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Research Proposal Series 5	Literature review searching (faculty specific)
Research Proposal Series 6	Literature review: reading & writing
Research Proposal Series 7	Advanced Endnote

Curtin University

Power up your PhD

Literature review searching and Milestone One essentials for Science and Engineering

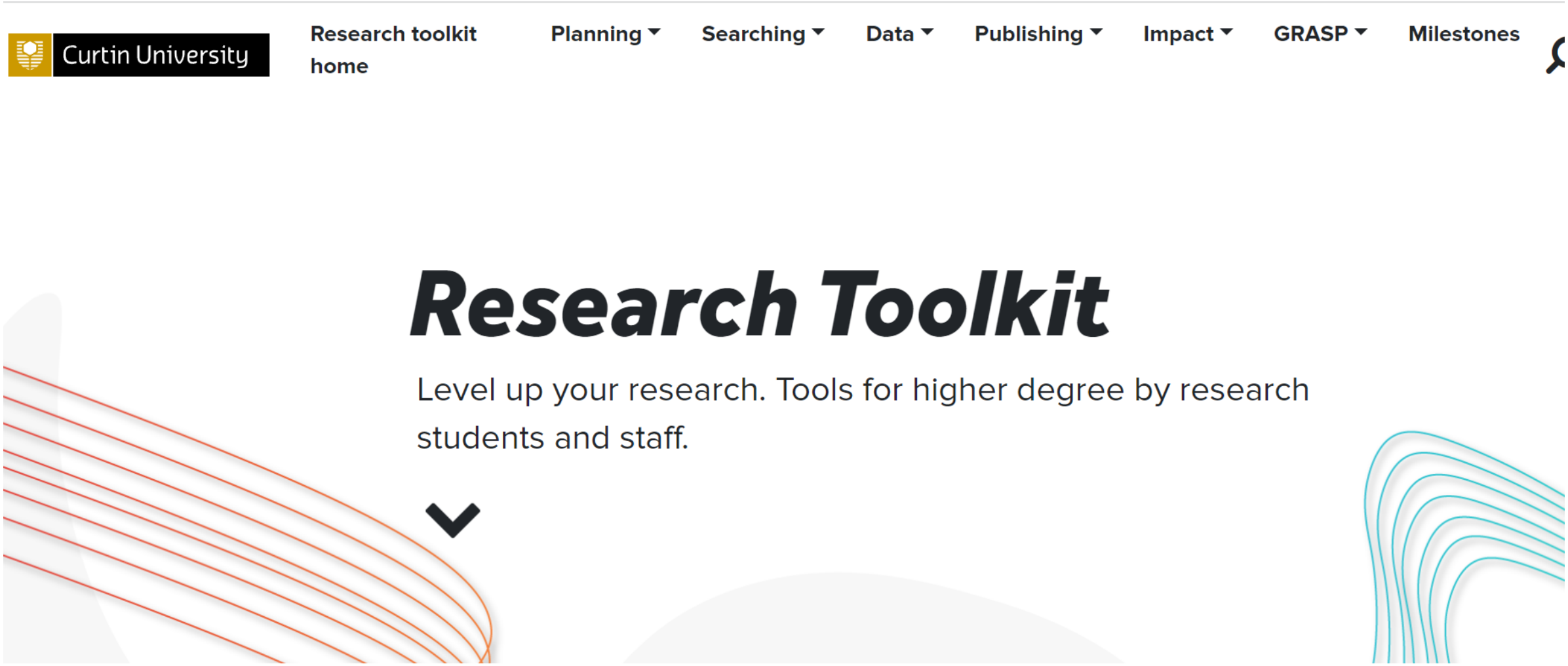
Online Session

Jenny Copestake
Faculty Librarian, Science & Engineering

August 2023

I would like to acknowledge the traditional owners of the lands on which Curtin Perth is located, the Wadjuk people of the Noongar Nation, as the knowledge holders and the first researchers and teachers of this land, and express enduring respect for their connection to the land, sky and water.

Research Toolkit



Milestone One requirements

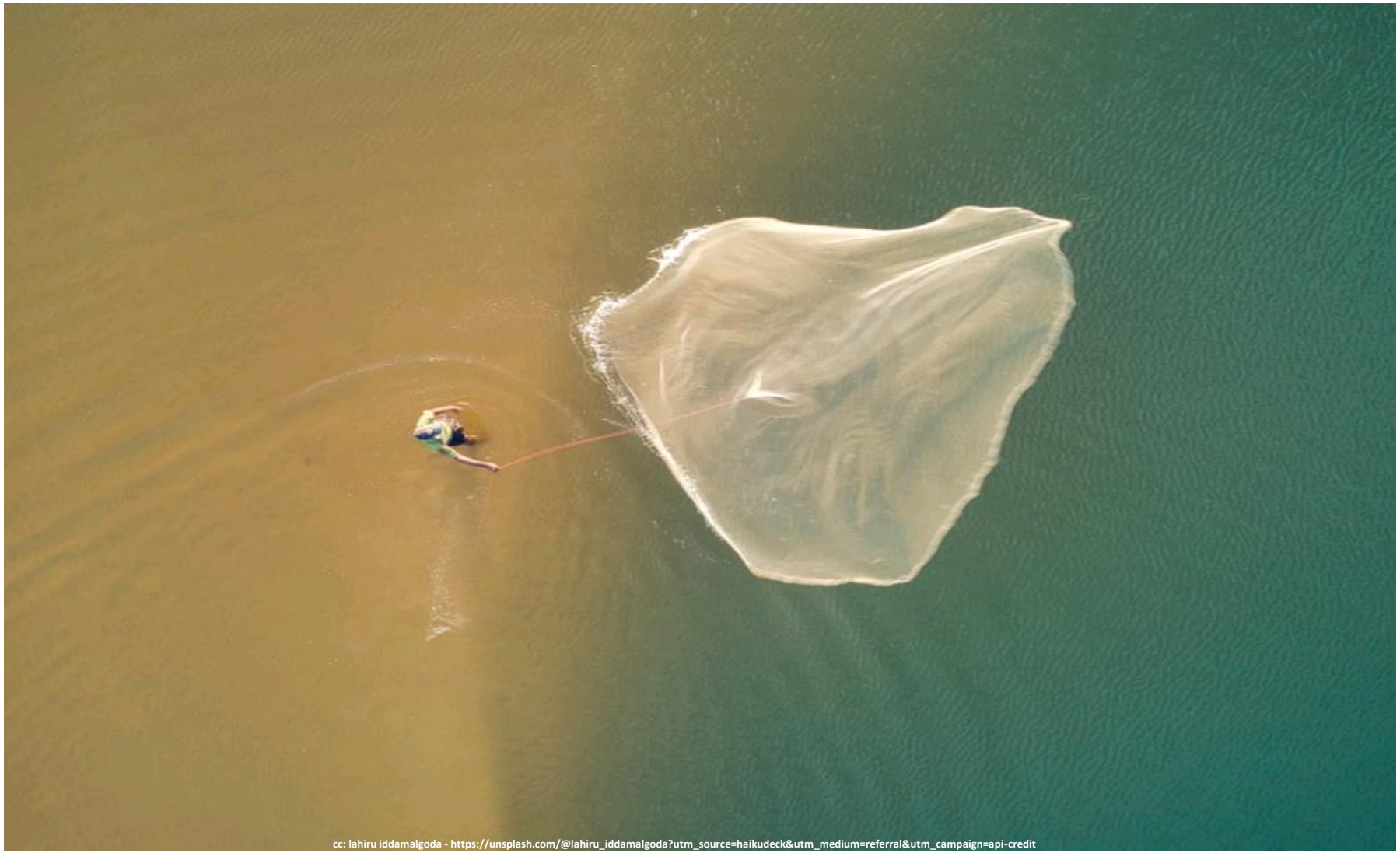
- Research proposal
  - Literature review – demonstrate your knowledge of the relevant literature
    - “make adequate and intelligent reference to other works”
    - “sufficient knowledge of the literature”
  - Methods and methodology
    - “methodology and methods suitable for the proposed study”

- Milestone One application
  - ORCID
  - Completion of a Data Management Plan
    - Outline of specific data collection and management methods

Session Outline

1. Fill your literature review with quality references
2. Track research in your discipline
3. Thesis by Compilation or Hybrid Thesis? Tips to get your research published
4. ORCIDs, DOI's and ways to promote your research
5. Where to get help

1. Your literature review



Literature Review chapter – purpose?

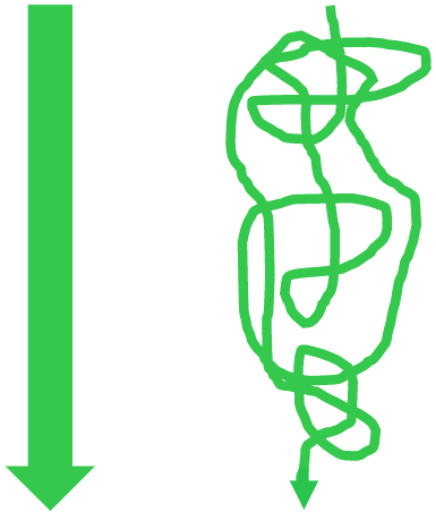
"It is the purpose of the literature review to show the reader,
in a systematic way,
what is already known about the research topic as a whole,
and to outline the key ideas and theories that help us to understand this.
As well as being systematic,
the review should be evaluative and critical of the studies or ideas
which are relevant to the current work."

Adapted from http://www.phrasebank.manchester.ac.uk/referring-to-sources/

https://researchtoolkit.library.curtin.edu.au/searching/systematic-literature-reviews/introduction/

Literature Review chapter

1. Search
2. Select
3. Read & Analyse
4. Write



Searching for your literature review

- Create a search strategy
- Cast your net wide – don’t rely on one or two sources
- Harness the power of Curtin's databases - citation searching
- GRASP – candidacy series, research writing series
- Be confident with referencing – take a class
- Manage what you find – EndNote
- Make use of clever add-ons – Google Scholar settings, EndNote Click, Scite
- You can request items Curtin Library does not hold – Document delivery, Recommend an item.

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So where do YOU start?

Google

Google Scholar

Search the Library Catalogue

SEARCH

Databases

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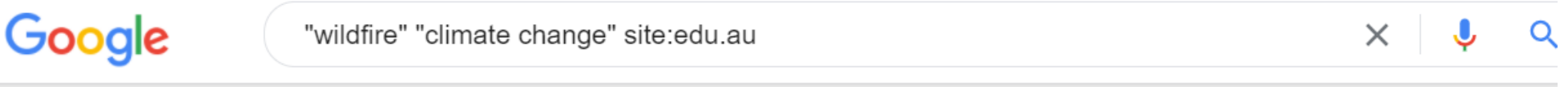

https://researchdirect.westernsydney.edu.au › uws:56640

Climate change significantly alters future wildfire mitigation ...

by G Di Virgilio · 2020 · Cited by 7 — Di Virgilio, G., Evans, J. P., Clarke, H., Sharples, J., Hirsch, A. L., & Hart, M. A. (2020). **Climate change** significantly alters future **wildfire** mitigation ...

https://scholars.uow.edu.au › publication144952

Climate Change Significantly Alters Future Wildfire Mitigation ...

Abstract. ©2020. American Geophysical Union. All Rights Reserved. Prescribed burning is used globally to mitigate the risks of wildfires, ...

https://newsroom.unsw.edu.au › news › science-tech › c...

Climate change will make fire storms more likely in ...

21 Nov 2019 — Pyrocumulonimbus events begin with the intense heat of a very big and fast-burning **wildfire**, which causes a large and rapidly rising smoke ...

https://researchers.mq.edu.au › files PDF

CLIMATE CHANGE AND THE SOUTH AUSTRALIA ...

In South. Australia a **wildfire** in 2007 burned a reservoir catchment that supplied water to Adelaide, negatively affecting the quality of the water (Smith et al

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Google Scholar

wildfire AND "climate change"

Articles

About 131,000 results (**0.12** sec)

My profile

Any time
Since 2023
Since 2022
Since 2019
Custom range...

Sort by relevance
Sort by date

Any type
Review articles

include patents
include citations

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Climate change and **wildfire** in California
AL Westerling, BP Bryant - Climatic Change, 2008 - Springer
… damaging forest **wildfires** in parts of California and the region. In contrast, future grass and shrubland **wildfire** risks under **climate change** scenarios are less clear. Active **wildfire** years in …
Save Cite Cited by 519 Related articles All 24 versions Web of Science: 272

[PDF] springer.com
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[HTML] Elevation in **wildfire** frequencies with respect to the **climate change**
S Mansoor, I Farooq, MM Kachroo… - Journal of …, 2022 - Elsevier
… There are various other factors that are indirectly linked to **climate change** and are rendered to be the causes behind **wildfires**. Lightning is responsible for one-third of the forest fires …
Save Cite Cited by 29 Related articles All 7 versions Web of Science: 16

[HTML] sciencedirect.com
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Observed impacts of anthropogenic **climate change** on **wildfire** in California
AP Williams, JT Abatzoglou, A Gershunov… - Earth's …, 2019 - Wiley Online Library
… between anthropogenic **climate change** and observed changes in California **wildfire** activity … The clearest link between California **wildfire** and anthropogenic **climate change** thus far has …
Save Cite Cited by 542 Related articles All 14 versions Web of Science: 326

[PDF] wiley.com
Full View

[HTML] **Climate change** impact on future **wildfire** danger and activity in southern Europe: a review
J Dupuy, H Fargeon, N Martin-StPaul, F Pimont… - Annals of Forest …, 2020 - Springer

[HTML] springer.com
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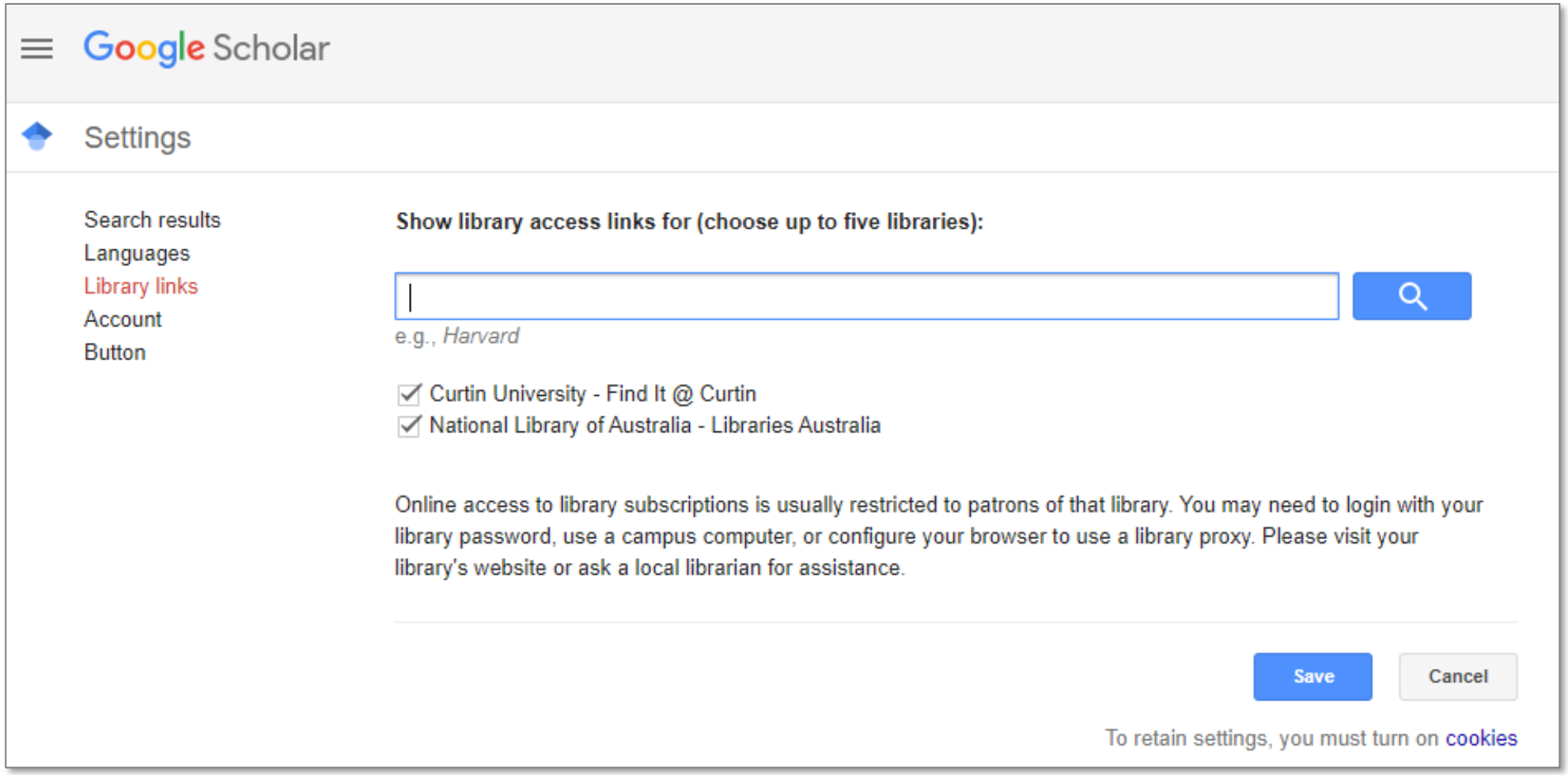

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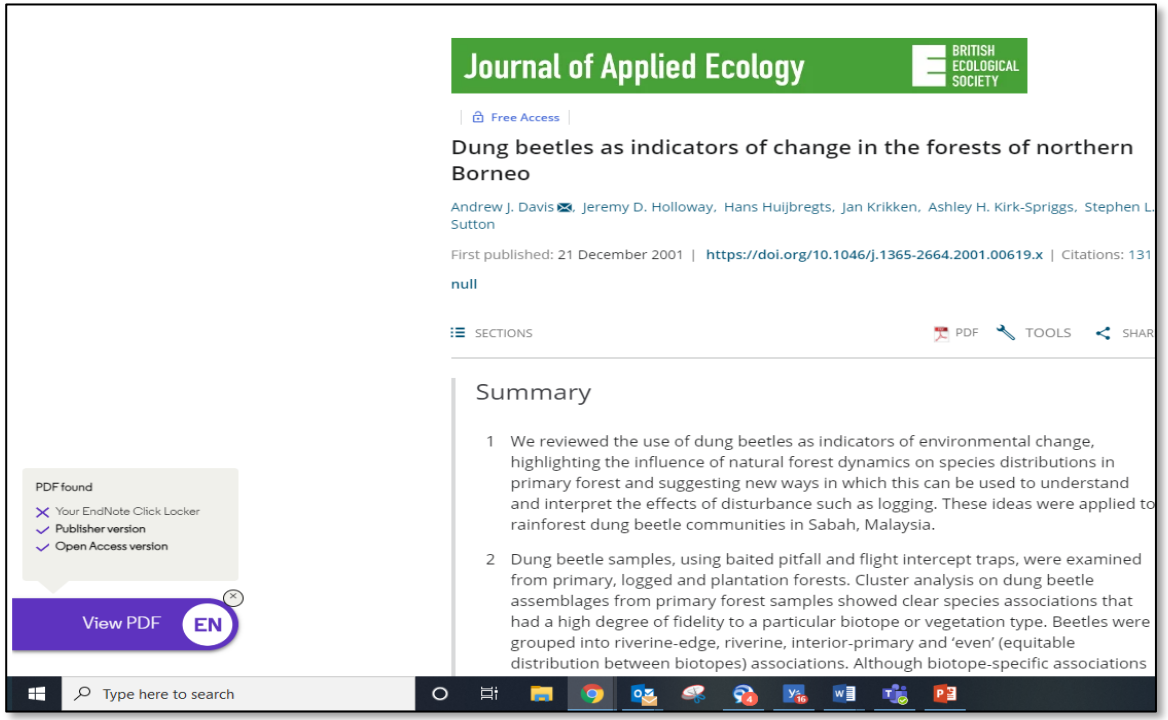
EndNote™ Click

Formerly Kopernio

https://kopernio.com/endnote



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Research Topic

Quantifying the impact of climate change on wild fires

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Research Topic

Quantifying the impact of climate change on wild fires

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What do you call this?

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Concept Grid for alternative terms

Wild fire	Climate change
Bush fire or bushfire	Global warming
Wild fire or wildfire	Greenhouse effect
Forest fire	
Prescribed burn	

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Research Tip - Truncation

* **The truncation symbol**

Useful for finding alternative endings of a word

forest

forested

forester

forest*

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Research Tip - Phrase Searching

Quotation marks can ensure that the exact phrase is retrieved.

“wild fire”

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Search strategy

“bush fire” OR bushfire OR "wild fire" OR wildfire OR "forest fire" OR "prescribed burn“

AND

"Climate change" OR “global warming” OR “greenhouse effect”

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Scopus

Search Sources Lists SciVal

Create account

Start exploring

Discover the most reliable, relevant, up-to-date research. All in one place.

Documents Authors Affiliations

Search tips

Search within
Article title, Abstract, Keywords

Search documents *
“bush fire” OR bushfire OR "wild fire" OR wildfire OR "forest fire" OR "prescribed burn"

AND

Search within
Article title, Abstract, Keywords

Search documents
"Climate change" OR “global warming” OR “greenhouse effect”

+ Add search field Add date range Advanced document search >

Reset Search

(TITLE-ABS-KEY ("bush fire" OR bushfire OR "wild fire" OR wildfire OR "forest fire" OR "prescribed burn") AND TITLE-ABS-KEY ("Climate change" OR "global warming" OR "greenhouse effect"))

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Search within results...

Refine results

Limit to Exclude

Open Access

Year

- 2024 (1)
- 2023 (226)
- 2022 (909)
- 2021 (762)
- 2020 (628)

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Author name

- Bergeron, Y. (62)
- Flannigan, M.D. (48)
- Hurteau, M.D. (41)
- Abatzoglou, J.T. (36)
- Girardin, M.P. (31)

View more

Subject area

Publication stage

Keyword

- Climate Change (4,120)
- Wildfire (2,247)
- Fires (1,740)
- Forest Fire (1,105)
- United States (960)
- Fire (868)
- Deforestation (786)
- Forestry (722)
- Article (658)
- Drought (617)

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Documents Secondary documents Patents View Mendeley Data (3709)

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	Document title	Authors	Year	Source	Cited by
1	A global overview of drought and heat-induced tree mortality reveals emerging climate change risks for forests *Open Access*	Allen, C.D., Macalady, A.K., Chenchouni, H., (...), Semerci, A., Cobb, N.	2010	Forest Ecology and Management 259(4), pp. 660-684	4824
2	Warming and earlier spring increase Western U.S. forest wildfire activity	Westerling, A.L., Hidalgo, H.G., Cayan, D.R., Swetnam, T.W.	2006	Science 313(5789), pp. 940-943	3689
3	On underestimation of global vulnerability to tree mortality and forest die-off from hotter drought in the Anthropocene *Open Access*	Allen, C.D., Breshears, D.D., McDowell, N.G.	2015	Ecosphere 6(8),129	1424
4	Mountain pine beetle and forest carbon feedback to climate change	Kurz, W.A., Dymond, C.C., Stinson, G., (...), Ebata, T., Safranyik, L.	2008	Nature 452(7190), pp. 987-990	1362

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Download Print Save to PDF Save to list Create bibliography

Nature Communications • *Open Access* • Volume 6 • 14 July 2015 • Article number 7537

Climate-induced variations in global wildfire danger from 1979 to 2013

Jolly, W. Matt[a] ; Cochrane, Mark A.[b]; Freeborn, Patrick H.[a, b]; Holden, Zachary A.[c]; Brown, Timothy J.[d]; Williamson, Grant J.[e]; Bowman, David M. J. S.[e]

Save all to author list

[a] US Forest Service, Rocky Mountain Research Station, Fire Sciences Laboratory, 5775 Highway 10 West, Missoula, 59803, MT, United States

[b] Geospatial Sciences Center of Excellence (GSCE), South Dakota State University, Wecota Hall, 1021 Medary Avenue, Box 506B, Brookings, 57007, SD, United States

[c] US Forest Service Region 1, 200 East Broadway Street, Missoula, 59802, MT, United States

[d] Desert Research Institute (DRI), Western Regional Climate Center, 2215 Raggio Parkway, Reno, 89512-1095, NV, United States

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Document type
Article • *Gold Open Access* • *Green Open Access*

Source type
Journal

ISSN
20411723

DOI
10.1038/ncomms8537

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Abstract
Indexed keywords

Abstract

Climate strongly influences global wildfire activity, and recent wildfire surges may signal fire weather-induced pyrogeographic shifts. Here we use three daily global climate data sets

Cited by 969 documents

Emission factors for polycyclic aromatic hydrocarbons from laboratory biomass-burning and their chemical transformations during aging in an oxidation flow reactor
Sengupta, D. , Samburova, V. , Bhattarai, C.
(2023) Science of the Total Environment

Historical spatiotemporal changes in fire danger potential across biomes
Baijnath-Rodino, J.A. , Le, P.V.V. , Foufoula-Georgiou, E.
(2023) Science of the Total Environment

Projections of fire emissions and the consequent impacts on air quality under 1.5 °C and 2 °C global warming
Tian, C. , Yue, X. , Zhu, J.
(2023) Environmental Pollution

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Related documents

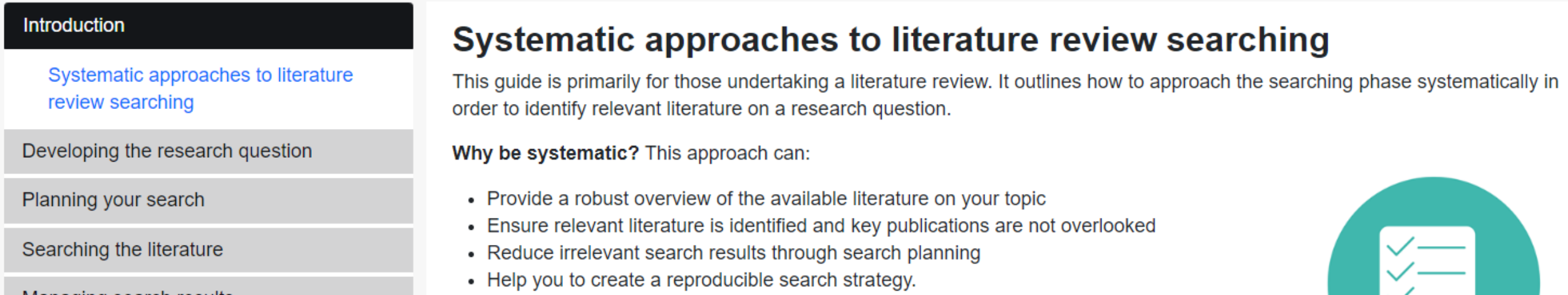
Trend analysis of fire season length and extreme fire weather in North America between 1979 and 2015
Jain, P. , Wang, X. , Flannigan, M.D.
(2017) International Journal of Wildland Fire

Relationships between climate and macroscale area burned in the western United States
Abatzoglou, J.T. , Kolden, C.A.

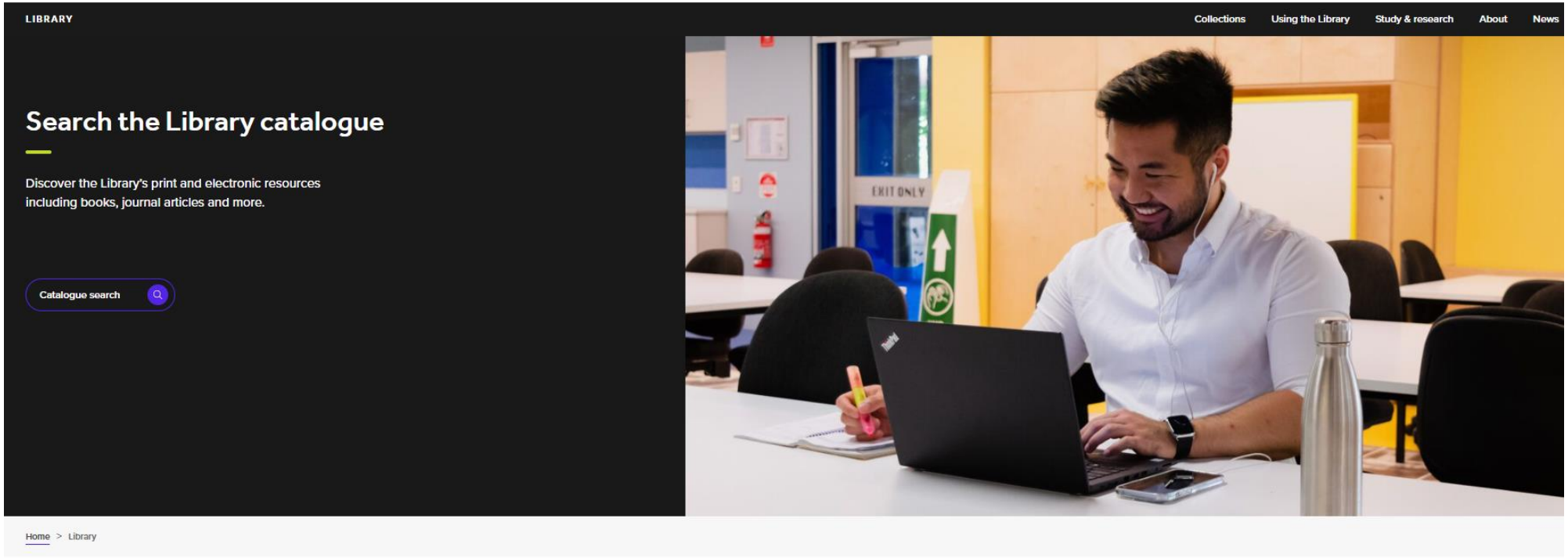
Need more info?

For a more detailed explanation of search strategies and syntax check out our study guide:

Systematic approaches to literature review searching



Where to find databases?



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Databases

Databases are collections of online resources, providing access to journal articles, ebooks, reports, videos and more.

Recommended databases

The Library recommends the following databases as a starting point for all research areas, due to their broad subject coverage and powerful search interfaces:

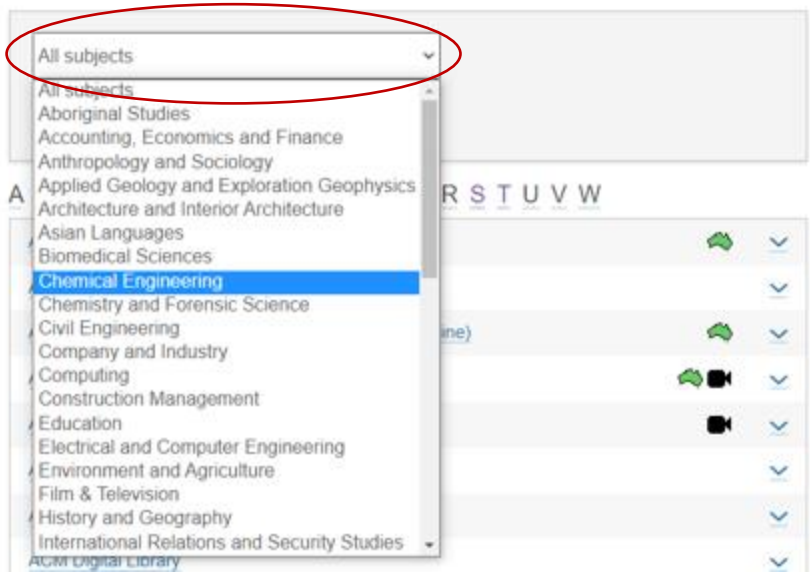
- ProQuest
- Scopus
- Web of Science

Looking for a specific format

If you are trying to locate information formats including standards, statistics, legal information, creative works and more, please see our How to Find guide for recommended database sources.

Subject specific databases

Use the dropdown menu below for database recommendations or browse alphabetically. Key databases listed for subject areas will focus on databases which contain academic content, like journal articles.



HOW TO FIND
A guide for when you're trying to find sources other than journal articles

FINDING JOURNAL ARTICLES
A guide for when you want to know more about searching

Quick Links

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- Google Scholar
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- ScienceDirect
- Trial Databases
- Wiley Online Library

Database use

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Which database?

ProQuest

Google

ScienceDirect

Ovid®

- CAB Abstracts
- AGRICOLA
- Biological Abstracts

Google Scholar

Engineering Village™
The first choice for serious engineering research.

Scopus

IEEE Xplore® Digital Library

Web of Science

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SAGE researchmethods

ProQuest Dissertations & Theses Global

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Web of Science

CAS SCIFINDER^{n}

ProQuest

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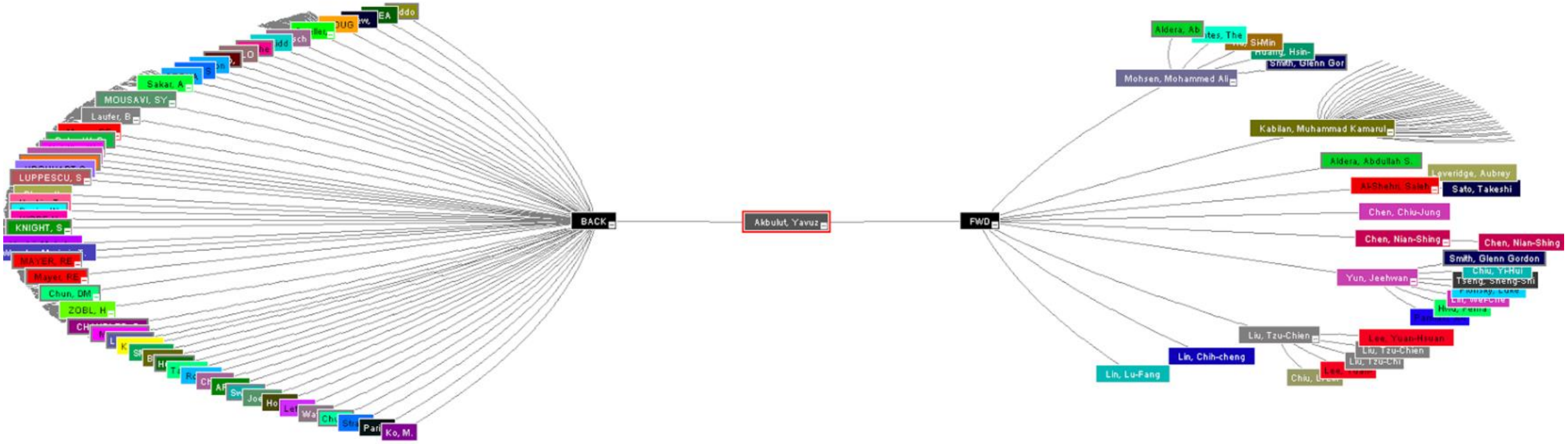
Citation databases...



Source:Web of Science™, http://thomsonreuters.com/scholarly-scientific-research/

Standards databases...

Techstreet™ Enterprise

Engineering Workbench
by S&P Global

IEEE Xplore®

ASTM COMPASS

National Construction Code

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Literature mapping tools

These tools … generally accept one or more relevant seed papers and use various techniques (mostly citation based) to recommend new ones that are similar (Tay, 2021).

- Connected Papers
- Citation Gecko
- Paper Graph
- ResearchRabbit

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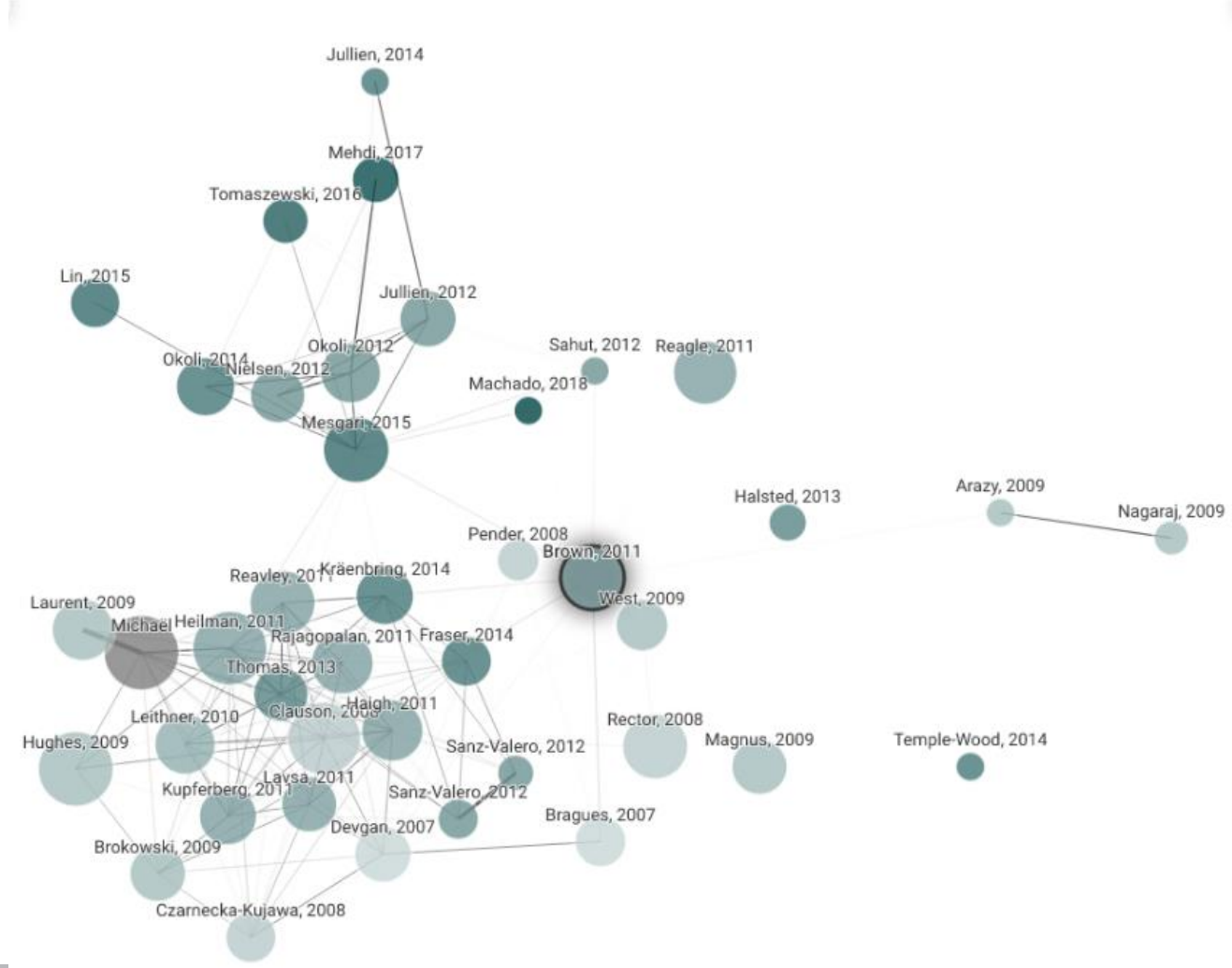
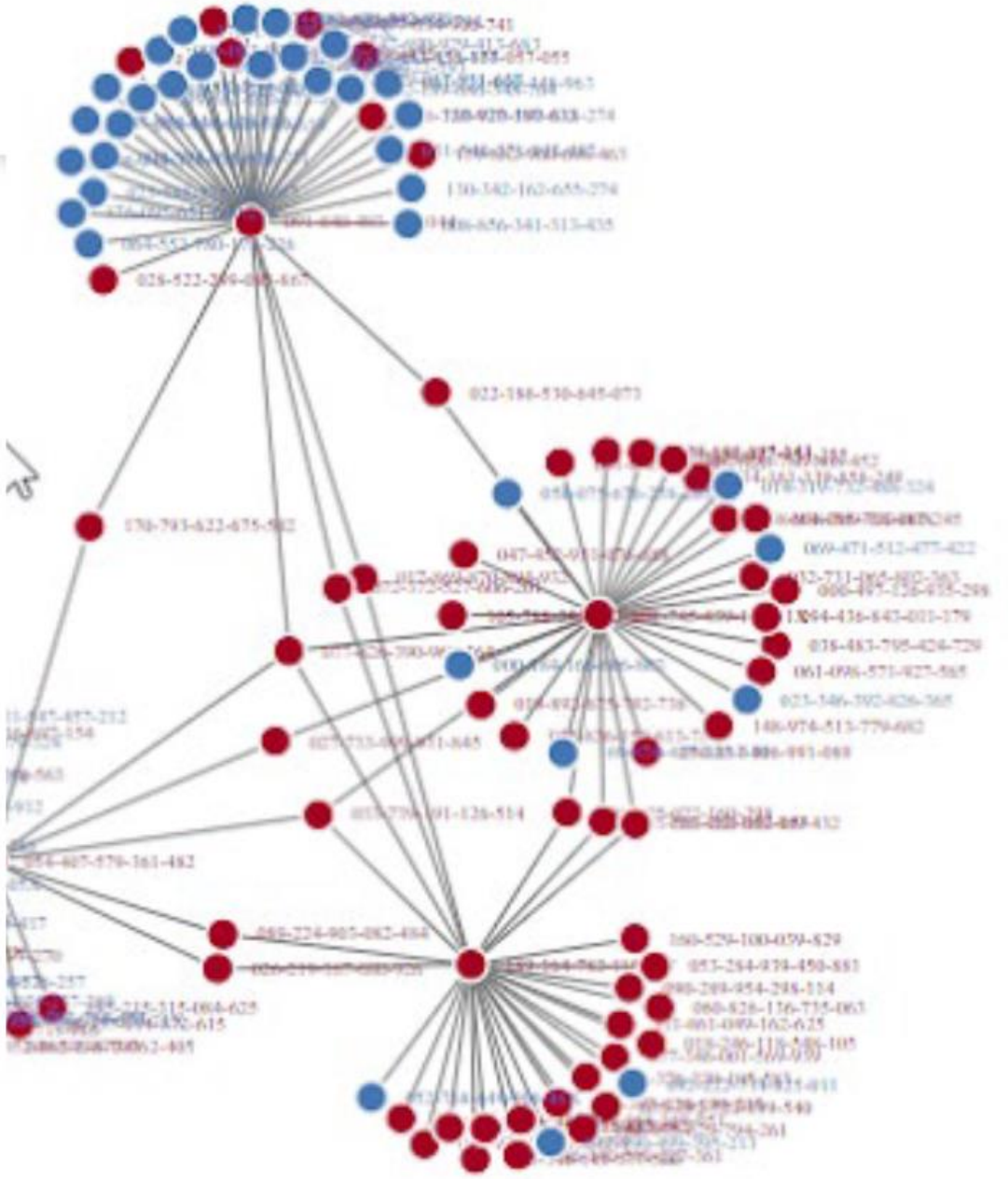
Literature mapping tools





Next page

Generative AI and Research

Advise caution and discussion with your supervisor until a clear Curtin position is developed.

Universities are developing guides:

Curtin University: Coursework focussed but still plenty of useful information. Research Guide planned for 2024 and a 23 Things module.
https://uniskills.library.curtin.edu.au/digital/gen-ai/

Flinders University: Using AI tools in research
https://library.flinders.edu.au/researchers/ai-tools-in-research

Otago University: Generative AI: For Researchers
https://otago.libguides.com/Generative_AI/Researchers

Readings:

De Silva, D. & El-Ayoubi, M. (2023). *Three ways to leverage ChatGPT and other generative AI in research*.
https://www.timeshighereducation.com/campus/three-ways-leverage-chatgpt-and-other-generative-ai-research.

The AI search engines wrangling papers
Nature | 8 min read

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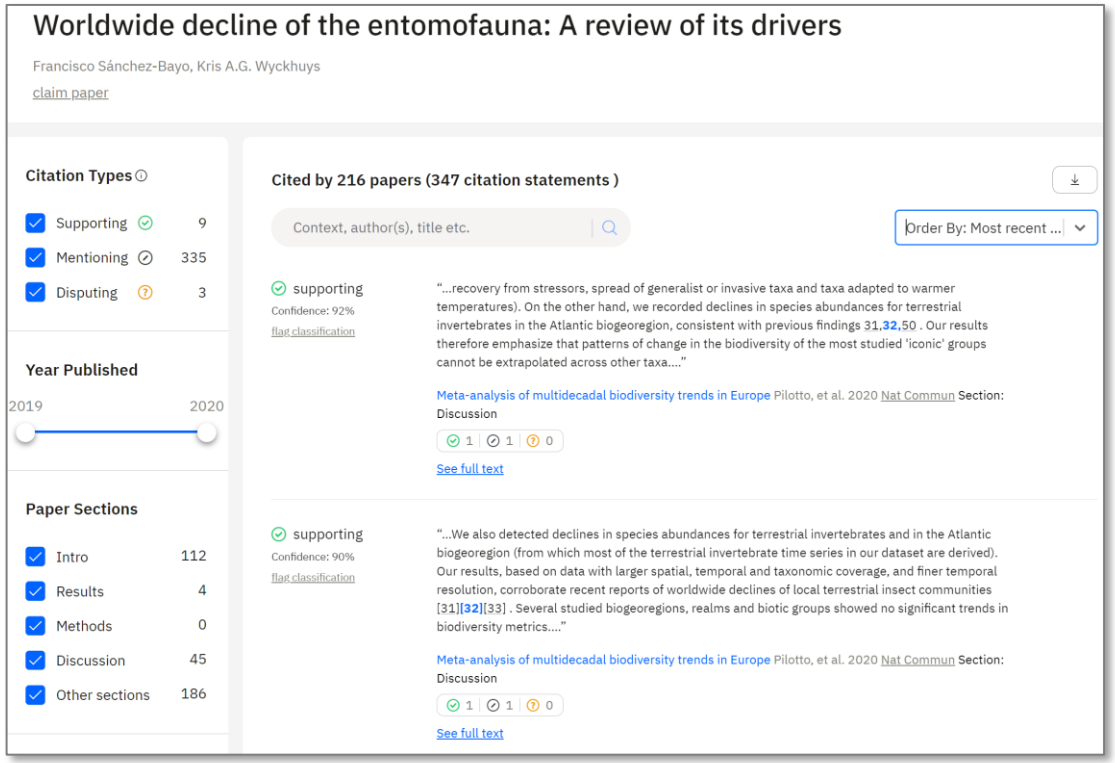

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☐ 14	Hydroxychloroquine in lupus pregnancy *Open Access* 6 215 2 View abstract find it Related documents	Clowse, M.E.B., Magder, L., Witter, F., Petri, M.	2006	Arthritis and Rheumatism 54(11), pp. 3640-3647	311
☐ 15	Hydroxychloroquine in patients with mainly mild to moderate coronavirus disease 2019: Open label, randomised controlled trial *Open Access* 7 363 2 View abstract find it Related documents	Tang, W., Cao, Z., Han, M., (...), Shi, G., Xie, Q.	2020	The BMJ 369,m1849	305
☐ 16	RETRACTED:Hydroxychloroquine or chloroquine with or without a macrolide for treatment of COVID-19: a multinational registry analysis *Open Access* 2 193 1 2 View abstract find it Related documents	Mehra, M.R., Desai, S.S., Ruschitzka, F., Patel, A.N.	2020	The Lancet Article in Press	301

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EndNote Click and Scite working together...

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2. Selecting

How do you select a source to be included?

- Articles which provide an overview of the current state of debate
- Articles which are directly relevant to your research
- Articles which support your central claim
- Articles which disagree with, diverge from or contradict your claims; these are necessary for your critical evaluation of the literature
- Articles which are stand-alone literature reviews of the topic/field

✓ Tip: Write down some “boundaries” or definitions

(Daniel & Harland, 2018, p.36 – after Grix, 2002)

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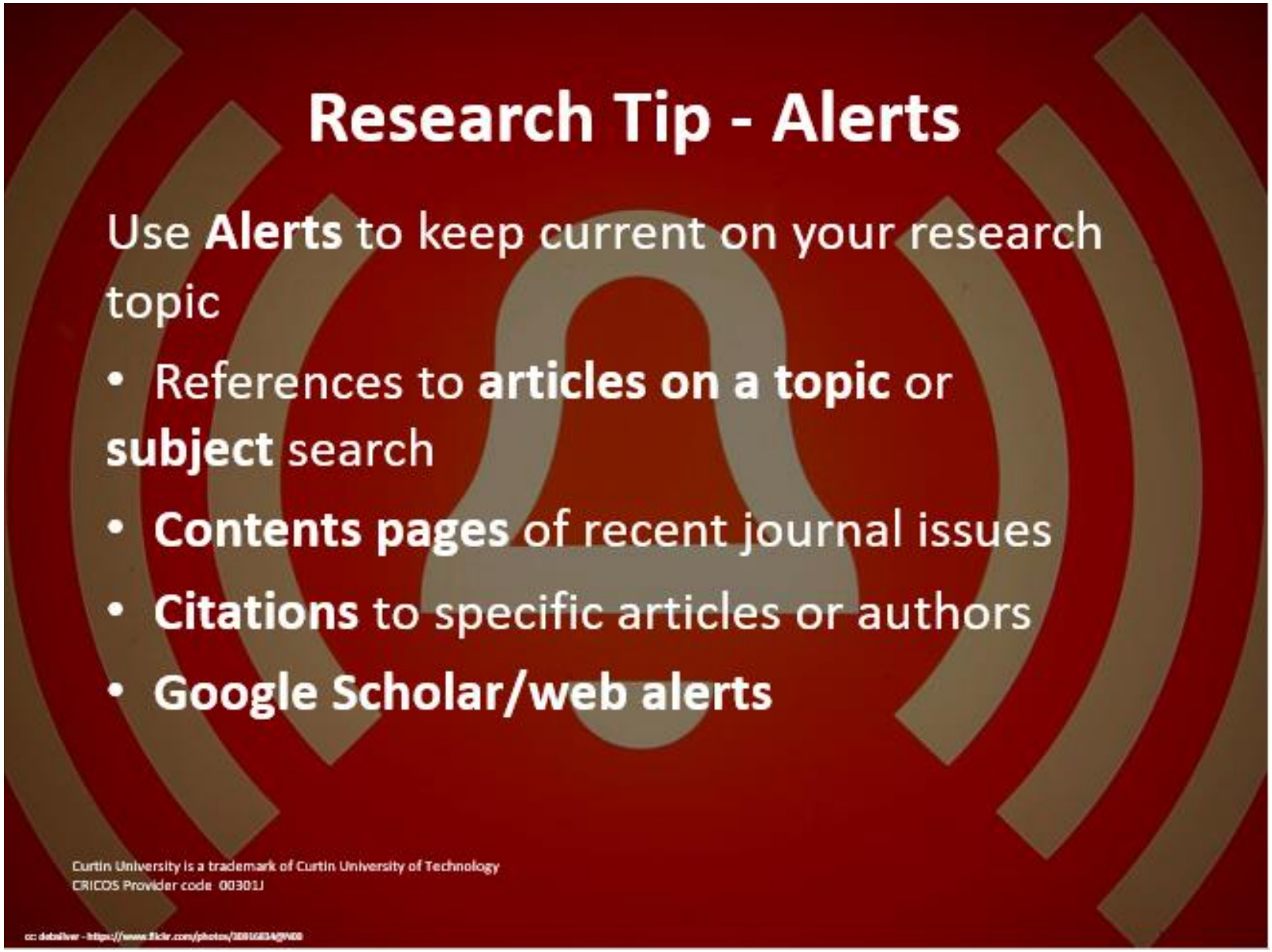
2. Track research in your discipline


Research Tip - Alerts
Use Alerts to keep current on your research topic
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• Contents pages of recent journal issues
• Citations to specific articles or authors
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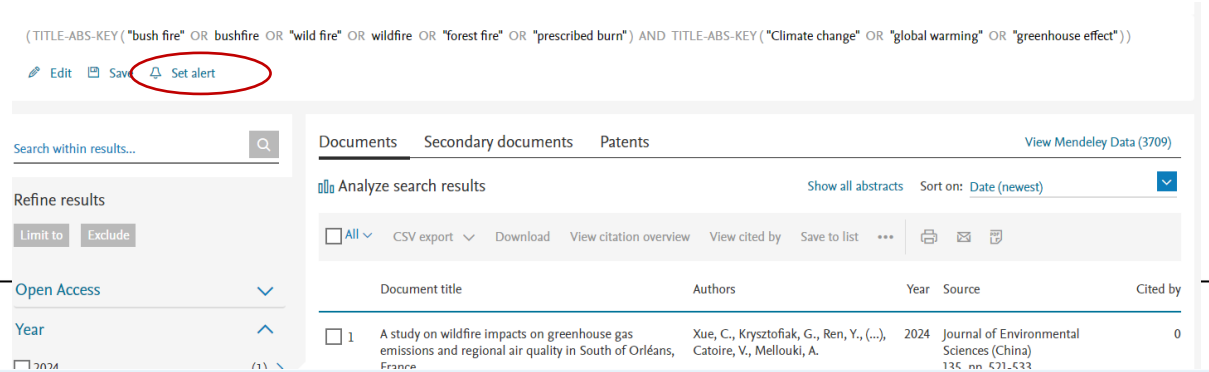

Scopus - Search Alert, John de Laeter Centre

Archive 4/08/2025

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Scopus

Search Alert: John de Laeter Centre

Your search alert called "John de Laeter Centre" has found 14 new results.

Row Number	Document Title	Authors	Year	Source
1.	Eocene arc magmatism and related Cu-Au (Mo) mineralization in the Shangalon-Kyungalon district, Wuntho-Popa Arc, northern Myanmar	Ye Htut, T., Qin, K., Li, G., Sein, K., Evans, N.J.	2020	*Ore Geology Reviews, 125, art. no. 103678.*
2.	Structural evolution of the eastern segment of the Irtysh Shear Zone: Implications for the collision between the East Junggar Terrane and the Chinese Altai Orogen (northwestern China)	Hu, W., Li, P., Rosenbaum, G., (...), Yuan, C., Sun, M.	2020	*Journal of Structural Geology, 139, art. no. 104126*

3. Tips to get your research published

Strategic publishing

Getting started

- Publishing strategically
- A balanced publishing strategy

Journals

Books

Non-traditional research outputs (NTROs)

Theses

Conference publications

Predatory publishing

Open Access (OA) publishing

Preprints

ISBNs, DOIs and Legal Deposit

Maximising visibility and publishing impact

Videos of publishing workshops

Need publishing help?

Publishing strategically

Strategic publishing involves taking a systematic approach to ensure you publish in the most effective place and maximise success in your publishing endeavours. Your publishing record will have a crucial impact on your career if you pursue academia or research and can be a valuable addition to your CV if you choose to work in industry or government.

Planning your publishing strategy will help you to:

- plan your project and its outcomes - how many papers are you aiming to write and in what time frame?
- set realistic expectations and define the boundaries of what is possible and desirable to achieve
- identify the right journal for your paper and determine your target audience
- amplify the impact of your research
- meet your employer's/funder's requirements
- put a focus on your career by determining where your career path is headed.

Read:

Tress Academy Why you need a publishing strategy

Anne-Wil Harzing The four P's of Publishing

Anne-Wil Harzing The four C's of getting Cited

A balanced publishing strategy

https://researchtoolkit.library.curtin.edu.au/publishing/strategic-publishing/getting-started/

Top publishing tips

- Journal articles – need to balance finding a quality publisher with the need for timely turnaround
- Check if the journal title(s) have open access fees covered by Curtin Library's agreements
- **Read the journal's authors' guidelines** and follow them – word counts, referencing style, keywords, copyright, spelling Eng/USA
- Read articles in the journal or works published by the publisher – ensure your research is a good fit
- Predatory publishers – if it's too good to be true, it will not be true

Learn more here

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Predatory Publishers

"Predatory journals and publishers are entities that prioritize self-interest at the expense of scholarship and are characterized by false or misleading information, deviation from best editorial and publication practices, a lack of transparency, and/or the use of aggressive and indiscriminate solicitation practices." Nature, 11 December 2019

- Payment required, quick turnaround time
- Damage to the reputation of the researcher & institution
- Loss of research, and publisher retains copyright – can't re-publish
- Send unsolicited emails to get you to submit your research

Learn more here

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Copyright and Researchers

Copyright and HDR students training module

- Check a journal's author guidelines for any advice on re-use of copyright materials such as figures, images, graphs, diagrams and more.
- Rightslink, Permissions request template – must declare in thesis

Thesis by compliation

- Publisher agreements – look for the version that can be shared and any embargo period
- Ensure author attribution statements are included for co-authors

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4. How to promote your research, yourself and your publications

Milestone One – ORCID ID

An ORCID ID is a persistent digital identifier unique to you that distinguishes your research output from other researchers and links your name to your research to ensure a consistent, reliable attribution of your work

Register for your ORCID

Other researcher identifiers can be linked to your ORCID

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More Researcher Identifiers

Scopus author ID

ResearcherID

Google Scholar Profile

These identifiers connect authors with their publications in that database

Take a look at the Research Identifiers Checklist

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More research promotion tips

- DOI for all your outputs – papers, datasets, code
- Preprint servers- Get advice from the research community on your work eg Chemistry and Astronomy
- Promote your research in the media and social media

Learn more here

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5. Where to get help

Document Delivery

If you find that perfect article, book, thesis, Standard… but we don't have it at Curtin…

Request document delivery

- Journal articles
- Standards
- Theses

Recommend a new item

(Scroll to the bottom of the page)

- Books
- Databases
- New journal titles

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GRASP – Graduate Research Advanced Skills Program

Dear HDR student

This is the second of six newsletters you will receive this year about the Library's GRASP (Graduate Research Advanced Skills) program. There is a lot of information, but there is a TL;DR - *too long; didn't read* section at the beginning with the main points.

TL;DR (too long; didn't read) summary

- Djeran Thesis Boot Camp 12-14 April. Sign up here, deadline: 16th of March.
- Shut Up & Write sessions start 21 March. Sign up here.
- Reminder: GRASP Research Methods Pick & Mix Sessions. Sign up here.
- Reminder: Academic writing consultations. Sign up here.
- GRASP Reading lists now available.
- Fun bit at the end: Lego Grad student.
- Get in touch with LibraryResearchSupport@curtin.edu.au with questions.

- Research proposal series
- Research writing series
- Shut up and write sessions
- Thesis boot camps

Online versions of previous sessions

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Skills and Software training

- Endnote
- Referencing
- Writing essentials
- Time management
- Qualtrics, Nvivo, Statistics, SPSS, Excel

https://bookings.library.curtin.edu.au/calendar/workshops

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Win a $50 Coles Myer voucher & have your say!

We'd love to hear your thoughts on TL Robertson Library & how you use it.

Participate in our online survey for your chance to win one of ten $50 Coles Group & Myer gift vouchers.

Enter at
bit.ly/curtin-lib-survey

Terms and conditions apply

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What you should do now…

GRASP webpage
https://researchtoolkit.library.curtin.edu.au/grasp/about-grasp/

Questions
LibraryResearchSupport@curtin.edu.au

Feedback/Networking
https://docs.google.com/spreadsheets/d/1t7roPInys2xK_0zY69ivY9s09ZNs2iY_byLVdCSKD7M/edit?usp=sharing